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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/745,923	12/22/2000	Jarvis C. Tou	ITL.1848US (P9432)	2870
47795	7590	02/25/2008	EXAMINER	
TROP, PRUNER & HU, P.C. 1616 S. VOSS RD., SITE 750 HOUSTON, TX 77057-2631			TRINH, TAN H	
			ART UNIT	PAPER NUMBER
			2618	
			MAIL DATE	DELIVERY MODE
			02/25/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/745,923

Applicant(s)

TOU ET AL.

Examiner

TAN TRINH

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 February 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 25-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 25-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 02-01-2008 has been entered.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claim 25 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

In claim 25 claimed "a torsion spring mounted in said housing so as to extend along a length of said housing and to stay in spring biased contact with said reciprocating antenna". Since in specification page 7, lines 3-11 described an antennae unit 50 may comprise a retraction device 20 that may include a compression spring 21 and a torsion spring 22. Compression spring 21 may be used to provide force to assist in extracting or extending antennae unit 50 from communication module 10. In alternative embodiments, the torsion spring may be used to make physical and/or electrical contact to antennae 55 (see FIG. 3), although it should be understood that the scope of the present invention is not limited in this respect. For example, the torsion spring may comprise conductive material that provides electrical connection to antennae 55 when antennae unit 50 is either extended from or inserted into communication module 10. In this case, the torsion spring 22 in the fig. 3, the extra piece extend out that is stationary for guiding the holding and provides electrical connection to antennae 55. That is not show *the extend along a length of the housing and extracting to stay in spring biased contact with the reciprocating antenna*. Also how can the torsion spring can *extend along a length of the housing with unwind and rewind position in that module*. Correction required.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 25 is rejected under 35 U.S.C. 103(a) as being unpatentable over Jones (U.S. Patent No. 6509876).

Regarding claim 25, Jones teaches a personal computer memory card international association card (see fig. 1, computer (communication) card 16 (PCMCIA 16) and figs. 8-13, communication card 16) including communication module (see figs. 1 and 8-13, communication card 16, col. 3, lines 15-37, col. 6, lines 57-col. 7, lines 55) comprising: a housing mountable in a personal computer (see fig. 1, computer (communication) card 16 (PCMCIA 16); an antenna reciprocable in and out of the housing (figs. 8-9, antenna extended position and retracted position 36, and figs. 2-3 and 8-9, col. 8, lines 52-63), Jones teaches a spring (72) mounted in the housing (30) so as to extend along a length of the housing (30) and to stay in spring biased contact with the reciprocating antenna (32). But Jones does not mention the spring (72) is a torsion spring. However, Jones does mention the spring (72) can be (or) similar biasing means can be used to aid in the extension of housing (30), or similar type of retention mechanism, can be used in either an extended or retracted position along a of the housing (30) (see fig. 10-13, col. 10, lines 59-65). In this case, the torsion spring can be similar biasing and can be used to extended or retracted position along of the housing (30).

Therefore, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify above teaching of Jones, in order to provide extending and retracting an antenna and also provide an electrical connection between the antenna and electronic device (see suggested by Jones col. 10, lines 59-65).

6. Claims 26-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Jones (U.S. Patent No. 6509876) in view of Sward (U.S. Pub. No. 20030210199).

Regarding to claim 26, Jones teaches a spring to assist in extending the antenna unit from the communication module (see fig. 8-9, antenna extended position and retracted position 36, and figs. 2-3 and 8-9, col. 8, lines 52-63). But Jones does not mention a spring makes electrical contact with the antenna.

However, Sward teaches *a spring for electrical contact to the antenna module* (see fig. 7A-B, page 3, sections [0022 and 0024]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify above teaching of Jones with Sward, in order to provide extending and retracting an antenna and also provide an electrical connection between the antenna and electronic device (see Sward page 3, section [0022]).

Regarding to claim 27, Jones teaches a spring to assist in extending the antenna unit from the communication module (see figs. 8-9, antenna extended position and retracted position 36, and figs. 2-3 and 8-9, col. 8, lines 52-63). But Jones does not mention a spring is electrically conductive.

However, Sward teaches a spring is electrically conductive (see fig. 7A-B, page 3, sections [0022 and 0024]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify above teaching of Jones with Sward, in order to provide extending and retracting an antenna and also provide an electrical connection between the antenna and electronic device (see Sward page 3, section [0022]).

Regarding to claim 28, Jones teaches a compression spring (72) to assist in extending the antenna unit from the communication module (see figs. 8-9, antenna extended position and retracted position 36, and figs. 2-3 and 8-9, col. 8, lines 52-63). But Jones does not mention a compression spring (72) is in between the housing and the antenna.

However, Sward teaches a compression spring (31) is in between the housing (34) and the antenna (25) (see fig. 2B and 7A-B, page 6, sections [0057-0058]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify above teaching of Jones with Sward, in order to provide extending and retracting an antenna and also provide an electrical connection between the antenna and electronic device (see Sward page 3, section [0022]).

Conclusion

7. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(571) 273-8300, (for Technology Center 2600 only)

*Hand-delivered responses should be brought to the Customer Service Window (now located at the **Randolph Building, 401 Dulany Street, Alexandria, VA 22314**).*

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan Trinh whose telephone number is (571) 272-7888. The examiner can normally be reached on Monday-Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiners supervisor, Anderson, Matthew D., can be reached at (571) 272-4177.

The fax phone number for the organization where this application or proceeding is assigned is **(571) 273-8300**.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the **Technology Center 2600 Customer Service Office** whose telephone number is **(703) 306-0377**.

9. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tan H. Trinh
Division 2618
February 16, 2008

PATENT EXAMINER

TRINH, TAN

